

## FGB EGRESS

### TOOLS REQUIRED:

Flashlight  
 APAS Hatch Tool  
 4" Ratchet Wrench, 1/4" Drive  
 8mm Deepwell Socket  
 Air Sample Bottle (one)  
 Alcohol Pads (for Hatch Seals)  
 General Purpose Tape, 2"

- |                              |   |
|------------------------------|---|
| PCS                          | 1. <u>DEACTIVATE NODE 1-FGB VENTILATION</u><br>Node 1: ECLSS: Aft Port IMV Fan<br><div style="border: 1px solid black; padding: 2px; display: inline-block;">Nod1_ Aft_ Port_ IMV_ Fan</div><br>'Nod1_ Aft_ Port_ IMV_ Fan'<br><br>sel Fan Commands<br><b>cmd Off Execute</b><br>√Stat - Off<br>√Spd,rpm is decreasing        |
| PMA 1                        | 2. <u>FGB AND PMA 1 AIR DUCT DISASSEMBLY</u><br>1. TBD<br><br>2. Install cap to PMA 1 hard duct inlet. Cover hole with General Purpose Tape.<br>Secure flat band coupling with over-center latch.<br><br>3. Remove cover on hard duct grille assembly.  |
| PA-ICC Hatch                 | 3. <u>PA-ICC HATCH BULKHEAD RING REMOVAL</u><br>1. Rotate hatch handle in direction of open (OTÊPÛITO) position.<br>Unsecure bottom portion of protective ring alignment pin from socket on handle mechanism assembly.<br><br>2. Rotate protective ring up to Hatch and detach protective ring brackets from hatch hinge pin. |
| Panel 402                    | 3. Fold protective ring and secure to panel using two restraint straps.   |
| ICC Port Panel 414<br>ÛÎ -ËÎ | 4. <u>ALARM CONTROL PANEL DEACTIVATION</u><br>1. POWER → Off<br>√Fuse - ■ (off)   |
| Panel 430<br>ÛÎ -ËÎ          | 5. <u>ICC LIGHTING DEACTIVATION</u><br>1. 1,2,3,4 Ë1 (switch) → Off (switch down)<br><br>2. 1,2,3,4 Ë1 (switch) → Off (switch down)   |

6. TAKE AIR SAMPLES OF FGB

1. Collect air sample (one) inside the FGB ICC.  
Stow Air Sample Bottle (one) in "Return to Houston" Bag.

7. CONFIGURE FOR FGB EGRESS

Orbiter  
MO10W

1. 14.7 CAB REG INLET SYS 1,2 vlv (two) → CI
2. FGB: ECLSS  

FGB: ECLSS

√FGB Dock Adptr PEV - CI  
√Nod1 PEV - CI

8. EGRESS FGB ICC

ICC

1. √All equipment bags and returning items removed from FGB ICC.
2. Close FGB PA-ICC Hatch  
Clean Hatch Seals with Alcohol Pads.  
Close Hatch.  
Rotate hatch handle in direction of CLOSE (ÇAÊPÛITÛ) position.

9. CONFIGURE FOR PA-IC HATCH LEAK CHECK

CRT

X: SM 60 TABLE MAINT

1. Record CABIN P: \_\_\_\_\_ psia (FGB ICC closeout press)  
Use paramid 0612405.  
\_\_\_\_\_ - 0.4 psia (hatch delta = 20 mmHg)
2. Desired pressure = \_\_\_\_\_
3. Record time and FGB ICC pressure:

FGB : ECLSS

GMT: \_\_\_\_/\_\_\_\_:\_\_\_\_:\_\_\_\_  
FGB Cab Press: \_\_\_\_\_ mmHg

10. FIRST PARTIAL DEPRESS

Orbiter  
AW82B

1. AIRLK DEPRESS vlv cap → Vent, Remove

NOTE  
Klaxon each time airlock depress  
valve is opened.

2. AIRLK DEPRESS vlv → 5

FGB : ECLSS

3. √FGB Cab Press not decreasing

Orbiter  
AW82B 4. When CABIN P = desired pressure from step 9-2 (est. ~3 minute)  
AIRLK DEPRESS vlv → CI

PA Port 11. PA AND ICC LIGHTING DEACTIVATION  
Û Î -Ë Î 1. 1,2,3,4-Ë 1 (switch) → Off (switch down)

PA 12. EGRESS FGB PA  
1. √All equipment bags and returning items removed from FGB PA.  
2. Clean PMA1-PA Hatch Bulkhead Seal with Alcohol Pads.  
13. CLOSE FGB PMA1-PA HATCH  
1. Select 'ÐÀÁÎ ×ÃÃ' (WORKING) torque setting on hatch tool.  
2. Insert tool in hatch socket.  
3. Rotate 3-3.5 turns in direction of 'ÇÆËÛÎÛ' (CLOSE) arrow until it clicks.

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\* If tool prematurely slips or does not engage: \*  
\* Select 'ÃÃÀÐÉÉÍ Î Ã' (EMERGENCY) setting \*  
\* on hatch tool. \*  
\* Reattempt to close Hatch. \*  
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14. CONFIGURE FOR PMA1-PA HATCH LEAK CHECK

X: SM 60 TABLE MAINT

1. Record CABIN P: \_\_\_\_\_ psia (FGB PA closeout press)  
Use paramid 0612405.  
\_\_\_\_\_ - 0.4 psia (hatch delta = 20 mmHg)  
2. Desired pressure = \_\_\_\_\_  
3. Record time and FGB PA pressure:  
FGB: ECLSS  
GMT: \_\_\_\_\_/\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_  
Docking Adapter Cab Press: \_\_\_\_\_ mmHg

Orbiter 15. SECOND PARTIAL DEPRESS  
AW82B

1. Start depress.  
AIRLK DEPRESS vlv → 5

FGB: ECLSS

2. √Docking Adapter Cab Press not decreasing

Orbiter  
AW82B

3. Stop depress.  
When CABIN P = desired pressure from step 14-2 (est. ~3.5 minutes)  
AIRLK DEPRESS vlv → CI  
Install AIRLK DEPRESS vlv cap.

16. NODE 1 PORTABLE FAN CONFIGURATION

<p style="text-align: center;"><b>NOTE</b> Location of MRKs in Node 1 is not critical.</p>
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Retrieve Portable Fan Assemblies (four) from bag and install Loc-Line Brackets. Position Portable Fan Assemblies equally spaced throughout Node 1.

17. FGB HATCH LEAK CHECK

FGB: ECLSS
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1. At GMT 30 minutes past previous GMT recorded in step 14-3, proceed  
Record Docking Adapter Cab Press: \_\_\_\_\_ mmHg  
Record FGB Cab Press: \_\_\_\_\_ mmHg  
GMT: \_\_\_\_/\_\_\_\_:\_\_\_\_:\_\_\_\_

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* If FGB Cab Press or Docking Adapter Cab	*
* Press $\leq$ (pressures recorded in step 9.3 and	*
* $14.3 \pm 2$ mmHg)	*
* Notify <b>MCC-H</b> .	*

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2. Report results of leak check to **MCC-H**.